

Title (en)  
ALUMINA-ZIRCONIA ABRASIVE

Publication  
**EP 0140164 B1 19870429 (EN)**

Application  
**EP 84111499 A 19840926**

Priority  
US 53721483 A 19830929

Abstract (en)  
[origin: US4457767A] Abrasive properties of co-fused alumina zirconia are improved by the addition of from 0.1 to 2% of Y2O3 to the fusion mix and quenching the fused product. Y2O3 ores containing mostly Y2O3 with lesser amounts of rare earth oxides can be substituted for high purity Y2O3.

IPC 1-7  
**C09K 3/14**

IPC 8 full level  
**B24D 3/00** (2006.01); **C04B 35/10** (2006.01); **C04B 35/653** (2006.01); **C09K 3/14** (2006.01)

CPC (source: EP US)  
**C04B 35/109** (2013.01 - EP US); **C04B 35/117** (2013.01 - EP US); **C04B 35/484** (2013.01 - EP US); **C04B 35/4885** (2013.01 - EP US); **C04B 35/62204** (2013.01 - EP US); **C04B 35/62665** (2013.01 - EP US); **C04B 35/653** (2013.01 - EP US); **C09K 3/1427** (2013.01 - EP US); **C04B 2235/3206** (2013.01 - EP US); **C04B 2235/3208** (2013.01 - EP US); **C04B 2235/3224** (2013.01 - EP US); **C04B 2235/3225** (2013.01 - EP US); **C04B 2235/3227** (2013.01 - EP US); **C04B 2235/3229** (2013.01 - EP US); **C04B 2235/3232** (2013.01 - EP US); **C04B 2235/3272** (2013.01 - EP US); **C04B 2235/402** (2013.01 - EP US); **C04B 2235/785** (2013.01 - EP US)

Cited by  
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Designated contracting state (EPC)  
AT CH DE FR GB IT LI SE

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**US 4457767 A 19840703**; AT E26855 T1 19870515; AU 3353684 A 19850404; AU 573625 B2 19880616; BR 8404844 A 19850813; CA 1207153 A 19860708; DE 3463393 D1 19870604; EP 0140164 A1 19850508; EP 0140164 B1 19870429; ES 536206 A0 19850716; ES 8506782 A1 19850716; IN 162220 B 19880416; JP H0312597 B2 19910220; JP S6099567 A 19850603; ZA 847230 B 19851127

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